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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/673,721	09/29/2003	Jeffrey A. Hall	03-0964	2466
24319	7590 09/06/2005	EXAMINER		INER
LSI LOGIC CORPORATION 1621 BARBER LANE			DO, THUAN V	
MS: D-106			ART UNIT	PAPER NUMBER
MILPITAS, (CA 95035		2825	

DATE MAILED: 09/06/2005

Please find below and/or attached an Office communication concerning this application or proceeding.

		Application No.	Applicant(s)
Office Action Summary		10/673,721	HALL ET AL.
		Examiner	Art Unit
		Thuan Do	2825
Period f	The MAILING DATE of this communication apports or Reply	pears on the cover sheet with the c	correspondence address
WHI0 - Extended after af	HORTENED STATUTORY PERIOD FOR REPL CHEVER IS LONGER, FROM THE MAILING D ensions of time may be available under the provisions of 37 CFR 1.1 r SIX (6) MONTHS from the mailing date of this communication. O period for reply is specified above, the maximum statutory period ure to reply within the set or extended period for reply will, by statute reply received by the Office later than three months after the mailing patent term adjustment. See 37 CFR 1.704(b).	ATE OF THIS COMMUNICATION (36(a). In no event, however, may a reply be tin will apply and will expire SIX (6) MONTHS from a cause the application to become ABANDONE	N. nely filed the mailing date of this communication. D (35 U.S.C.§ 133).
Status			
·	•	s action is non-final. nce except for formal matters, pro	
Disposit	tion of Claims		
5)□ 6)⊠ 7)⊠ 8)□ Applicat	Claim(s) <u>1-20</u> is/are pending in the application 4a) Of the above claim(s) is/are withdra Claim(s) is/are allowed. Claim(s) <u>1-4,7-10,13-16,19 and 20</u> is/are rejected to claim(s) <u>5,6,11,12,17 and 18</u> is/are objected to Claim(s) are subject to restriction and/outline Papers	wn from consideration. tted. o. or election requirement.	
10)⊠	The specification is objected to by the Examine The drawing(s) filed on <u>9/29/03</u> is/are: a) according an applicant may not request that any objection to the Replacement drawing sheet(s) including the correct The oath or declaration is objected to by the Examine The oath or declaration is objected to by the Examine The specification is objected to by the Examine The oath or declaration is objected to be the oath of the oat	ccepted or b) objected to by the drawing(s) be held in abeyance. See tion is required if the drawing(s) is objected to by the	e 37 CFR 1.85(a). jected to. See 37 CFR 1.121(d).
Priority	under 35 U.S.C. § 119		
a)	Acknowledgment is made of a claim for foreign All b) Some * c) None of: 1. Certified copies of the priority document 2. Certified copies of the priority document 3. Copies of the certified copies of the priority application from the International Burea See the attached detailed Office action for a list	is have been received. Is have been received in Application it is a second in the contract of	on No ed in this National Stage
2)	nt(s) ce of References Cited (PTO-892) ce of Draftsperson's Patent Drawing Review (PTO-948) rmation Disclosure Statement(s) (PTO-1449 or PTO/SB/08) er No(s)/Mail Date	4) Interview Summary Paper No(s)/Mail Da 5) Notice of Informal P 6) Other:	

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Art Unit: 2825

DETAILED ACTION

1. This office action is responsive to application filed on 09/29/2003. Claims 1-20 are pending in this office action.

Claim objections

Claim 1, the terms:

"standardized functional blocks",

"according to functions desired",

"associated with the desired ones",

What are their definitions or what applicants intend to mean. Clarification or correction is required.

Claim Rejections - 35 USC § 102

The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless -

- (b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.
- 2. Claims 1-4,7-10,13-16,19,20 are rejected under 35 U.S.C. 102(b) as being unpatentable over Vinciarelli et al., Pat. No. 6110213.

Regarding claim 1: Vinciarelli teaches a method comprising:

designing the integrated circuit with a plurality of integrated circuit standardized functional blocks, where each of the plurality of integrated circuit standardized functional blocks has a known function and a known integrated circuit contact array pattern, and the integrated circuit is designed by selecting desired ones of the integrated circuit

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standardized functional blocks according to functions desired for the integrated circuit (col. 1, lines 50-62, col. 4, lines 25-30), and

designing the package substrate with a plurality of package substrate standardized functional blocks, where each of the plurality of package substrate standardized functional blocks has a known package substrate contact array pattern, a known signal trace routing layer pattern, a known ground plane layer pattern, and a known power plane layer pattern (col. 1, lines 50-62),

where a given one of each of the plurality of package substrate standardized functional blocks is associated with a given one of the plurality of integrated circuit standardized functional blocks, and the package substrate is designed by selecting package substrate, rate standardized functional blocks associated with the desired ones of the integrated circuit standardized functional blocks (col. 1, lines 50-62, col. 4, lines 25-30).

Regarding claim2-4: Vinciarelli teaches a method with layers (col. 1, lines 50-62).

The remaining claims of 102(b) section contain features similar to the rejection of claims 1-4 and rejected in the rationale.

Allowable Subject Matter

Claims 5,6,11,12,17,18 are objected to as being dependent upon a rejected base claim, but would be allowable if rewritten in independent form including all of the limitations of the base claim and any intervening claims. The reason for allowance is that the prior art of record does not teach the dependent claims with all other features of corresponding independent claims.

CONTACT INFORMATION

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Any inquiry concerning this communication or earlier communications from the examiner should be directed to Thuan Do whose telephone number is 571-272-1891. The examiner can normally be reached on Monday-Friday 8:30-4:30.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Matthew S. Smith can be reached on 571-272-1907. The fax phone numbers for the organization where this application or proceeding is assigned are 571 273-8300 for communications.

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the receptionist whose telephone number is 703-308-0596.

Thuan Do

Primary examiner

09/01/2005